

ERA25FA151

MAINTENANCE LOGBOOK EXCERPTS

L&M AIRCRAFT INC. ROME, GA 30165

N969SS Cirrus SR22 s/n: 2157 August 3, 2023 Hobbs: 3043.8 Flight Hobbs: 2955.2 AFTT: 2955.2

Inspection:

- Annual Inspection Complete
- Cleaned, inspected, and recharged Tornado Ally Turbo's air filter element IAW TAT SI08-05 REV. A, Dated 3/12/2009.
- Inspected oxygen system IAW Precise Flight ICA 102NPMAN0003, Dated 7/23/2007.
- Inspected throttle quadrant IAW Tamarack ICA TAG-CSQ-203 REV. B, Dated 3/15/2013.
- Inspected cargo conversion IAW Tamarack ICA TAG-CRT-201 REV. C, Dated 11/26/2012.
- Complied with 7 year replacement of Amsafe EMA. New 20902-001 unit s/n: A10OCT22-164. Replacement due: Oct 2029.
- Inspected Avidyne 700-00033 Weather Detection IAW ICA AVTWX-004 REV 7, Dated 6/10/2008.
- Inspected Avidyne 700-00083 IFD IAW ICA AVIFD-016 REV 2, Dated 4/13/2009.
- Inspected Avidyne TAS 600 Traffic Avoidance System IAW ICA W010807C, REV 12, Dated 4/21/2008.
- Inspected Avidyne 700-00159 Broadcast Receiver IAW ICA AVSSG-008 REV 04, Dated 9/27/2007.
- Complied with annual inspection requirements of ELT per FAR 91.207 (d). Battery expiration: May 2025.

Maintenance:

- Resealed both lower wing root fairings.
- Installed new ETI-G2-711-1 TIT probe on right side.
- Adjusted elevator cable tension.
- Installed new 18380-001 bumper on nose shock absorber.
- Installed new 16579-002 EGT on #3 cylinder.

This aircraft has been inspected in accordance with current regulations of the Federal Aviation Administration for an annual inspection and is approved for return to service.

Alton P. Owen

A&P [REDACTED] IA [REDACTED]

Transponder Certification

Merlin's Avionics Service Tel: [REDACTED]
 [REDACTED] Gallatin, Tennessee 37066
 FAA CRS [REDACTED] MAS Form #3

Work Order No. 1509 Acft. Reg. No. N969SS
 Aircraft Type SR22 Txpond Position #1
 Txpond P/N# AVIDYNE S/N# _____
 Check Box if Mode S ☒

I certify the ATC Transponder tests and inspections required by FAR 91.413 were performed this date and found to comply with Part 43, Appendix F. Details of this inspection are on file at this repair station.

Date 7-29-24

Signed [REDACTED]

10,000	<u>11980</u>	90	50K /	250	<u>0</u>
Hysteresis: 1st Test Point @ 50% of Max. Alt. (Tol. 75 Ft.)			<u>+15</u>		After Effect (Tol. 30 Ft.) <u>+10</u>
2nd Test Point @ 40% of Max. Alt. (Tol. 75 Ft.)			<u>+15</u>		

This Altimeter / Static System meets the requirements of FAR 91.411 and FAR Part 43, Appendix E.

Partial view of adjacent form on the right:
 N969SS
 tion #2
 Diff. (Tol. 25 Ft.)
 727 -1727
 340 -1340
 63 -863
 92 -392
 0
 31 531
 93 893
 74 974
 FPM Tol. 100 Ft.)

YEAR 20	RECORDING TACH	TODAY'S FLIGHT	TOTAL TIME IN SERVICE	Description of Inspections, Tests, Repairs and Alterations Entries must be endorsed with Name, Rating and Certificate Number of Technician (See back pages for other specific entries)
				L&M AIRCRAFT INC. ROME, GA 30165
				N969SS Cirrus SR22 s/n: 2157 October 1, 2024 Hobbs: 3043.8 Flight Hobbs: 3054.5 AFTT: 3054.5
				Inspection:
				- Annual Inspection Complete
				- Cleaned, inspected, and recharged Tornado Ally Turbo's air filter element IAW TAT SI08-05 REV. A, Dated 3/12/2009.
				- Inspected oxygen system IAW Precise Flight ICA 102NPMAN0003, Dated 7/23/2007.
				- Inspected throttle quadrant IAW Tamarack ICA TAG-CSQ-203 REV. B, Dated 3/15/2013.
				- Inspected cargo conversion IAW Tamarack ICA TAG-CRT-201 REV. C, Dated 11/26/2012.
				- Inspected Avidyne 700-00033 Weather Detection IAW ICA AVTWX-004 REV 7, Dated 6/10/2008.
				- Inspected Avidyne 700-00083 IFD IAW ICA AVIFD-016 REV 2, Dated 4/13/2009.
				- Inspected Avidyne TAS 600 Traffic Avoidance System IAW ICA W010807C, REV 12, Dated 4/21/2008.
				- Inspected Avidyne 700-00159 Broadcast Receiver IAW ICA AVSSG-008 REV 04, Dated 9/27/2007.
				- Complied with annual inspection requirements of ELT per FAR 91.207 (d). Battery expiration: May 2025.
				Maintenance:
				- Installed new 96301-01 engine isolator mount on right side, rear position.
				- Installed new 50979-001 batteries in #2 position.
				- Installed new 15306-001 vent on left wing fuel vent panel.
				This aircraft has been inspected in accordance with current regulations of the Federal Aviation Administration for an annual inspection and is approved for return to service.
				Alton P. Owen A&P [REDACTED] IA [REDACTED]

Page No. _____

**Supplemental Log Book Entry
Annual Inspection - Engine**

Reg: N969SS	Model: IO-550-N (42)	S/N: 686391
Date: 2/20/14	Tach: 2047.1	TSN: 1615.5
		TSMOH: 0.0

Performed an **Annual Inspection** in accordance with FAR Part 43, Appendix D. Complied with all applicable AD's thru 2014-03. **Removed Engine, IO-550-N (42), S/N 689430 and Installed Overhauled RAM Aircraft Engine, IO-550-N (42), S/N 686391** with the following engine accessories: Fuel Pump, P/N ETI-SR22-2-12, S/N GP5374, Turbochargers, P/N 466304-003, S/N Left NGL00078, S/N Right LIL00108, Wastegate Assembly, P/N 470842, S/N NFN00153, Wastegate Controller P/N 470842-004, S/N NFN00153, Turbocharger Controller P/N 470688-005, S/N NGN00119, Pressure Relief Valve P/N 470944-0017, S/N MAN00116, Fuel Controller P/N 653353-SA1, S/N A13KA130R, Magnetos, 10-500556-101, S/N's D08BA286, and D08EA319, Magneto Harness P/N 10-423674-33, Oil Cooler, P/N 8000953, S/N 40410092, Starter P/N C24ST3, S/N 4C3-451306, Oil Pump, P/N 632977A7, S/N 316121, Propeller Governor P/N 290D31/T23, S/N 761536. Removed and Replaced #2 and #6 Cylinder EGT Probes with new, P/N 22-8350001. Removed and Replaced Turbocharger Wastegate Control Cable with new, P/N 22-5650009. Removed and Replaced Left Tailpipe to Heater Hose with new, P/N 04-640000-5-140-4 and Right Tailpipe to Heater Hose with new, P/N 04-6400001-5-120-4. Removed and Replaced Alternate Air Door Crossover Duct, P/N 04-6400001-12-61-4. Removed and Reinstalled Exhaust for repair by Tornado Alley Turbo Inc. W/O#24811, 24837 with New Exhaust Manifold, P/N 22-6850003, New Slip Joint Extension, P/N 22-6800021 and New Cirrus TIT Probe, P/N ETI-G2-711. Cleaned and Repaired Engine Baffles. Removed, Flushed and Reinstalled all Oil Lines and Fittings. Removed and Replaced Throttle Body to Turbocharger Interconnect Duct Hose with new, P/N 642917-8. Performed Engine Ground Runs and Engine Fuel Setup IAW Cont. SID 97E and Tornado Alley Turbo Inc Continued Airworthiness Manual 22-646004 Rev C. Engine operated normally with no fuel or oil leaks found at this time. I certify that this Engine has been inspected/repared in accordance with an **Annual Inspection** and has been determined to be in an airworthy condition and that work described above was accomplished and inspected in accordance with current FAA regulations and is approved for return to service.-END-

David A. Johnson, _____ A&P IA



LEADING EDGE
AVIATION SERVICES, INC.
Tampa, FL



CIRRUS
AUTHORIZED SERVICE CENTER

Date: 7/07/2014; Aircraft: N969SS; Type: CIRRUS; S/N: 2157; Hobbs: 2197.5; Tach: 2109.0; Total Time: 2109.0

-Removed engine Continental IO-550-N S/N 686391 from Cirrus Design Corp. SR22 SN 2157. TT: Unk.

The above work was performed in accordance with current regulations of the Federal Aviation Administration and is approved for return to service pertaining to work performed.

Jonathan Bennett _____ A&P _____
Tampa, FL 33610
Tampa Executive Airport (KVDF) _____

SUB-TOTALS this page

Page No. _____				DESCRIPTION OF WORK PERFORMED— SIGNATURE & CERTIFICATE NO. OF PERSON PERFORMING WORK
DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	
L&M AIRCRAFT INC. ROME, GA 30165				
N969SS Continental IO-550-N s/n: 686391 June 22, 2023 Flight Hobbs: 2943.8				
Installed 6 new URHB32HE spark plugs for ElectroAir system.				
Installed new ElectroAir EA-8001 Coil Pack.				
Installed new Cirrus 21119-008 Air Conditioning Compressor and Drive Assembly and system checked for oil and serviced with R134a Freon.				
Run checks and leak checks good.				
This engine is approved for return to service for work performed.				
Larry A. Owen A&P [REDACTED]				
L&M AIRCRAFT INC. ROME, GA 30165				
N969SS Continental IO-550-N s/n: 686931 August 3, 2023 Flight Hobbs: 2955.2 Engine TT: 2523.6 SMOH: 908.1				
Inspection:				
- Annual Inspection Complete.				
- Compression check completed: #1- 71, #2-73, #3-74, #4-74, #5-70, #6- 71				
- Complied with Electroair ICA EIS-61000, Dated 12/17/2021.				
- Inspected engine driven fuel pump IAW TAT SB12-02, Dated 10/27/2012.				
- Cleaned, inspected, and recharged Tornado Ally Turbo's air filter element IAW TAT SI08-05 REV. A, Dated 3/12/2009.				
- Inspected exhaust manifolds IAW TAT SB09-01 REV. B, Dated 6/29/2012.				
- Inspected exhaust slip joints IAW TAT SI11-01, REV. A, Dated 6/22/2016.				
- Cleaned and inspected turbocharger oil inlet screen IAW TAT SB11-04, Dated 7/14/2011.				
Maintenance:				
Oil and filter changed, oil sample taken, and filter inspected. Engine serviced with Phillips X/C 20W-50. Leak checked good.				
This engine has been inspected in accordance with current regulations of the Federal Aviation Administration and is approved for return to service.				
Alton P. Owen A&P [REDACTED] IA [REDACTED]				
L&M AIRCRAFT INC. ROME, GA 30165				
N969SS Continental IO-550-N s/n: 686931 October 3, 2023 Flight Hobbs: 2980.5 SMOH: 933.4				
Changed oil and filter. Inspected filter. Serviced engine with Phillips X/C 20W-50. All run check and leak checks good. This engine is approved for return to service for work performed.				
Michael Wendt A&P [REDACTED]				
SUB-TOTALS this page				

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L&M AIRCRAFT, INC. ROME, GA 30165				
N969SS Continental IO-550-N S/N: 686931 November 30, 2023 Flight Hobbs: 2994.3 Engine TT: 2562.7 SMOH: 947.2 Oil and filter changed, oil sample taken, and filter inspected. Engine serviced with Phillips X/C 20W-50. Installed new o-rings in oil quick drain. Leak checks good. This engine is approved for return to service for the work performed. J. Chris Williams A&P [REDACTED]				
L&M AIRCRAFT, INC. ROME, GA 30165				
N969SS Continental IO-550-N S/N: 686931 May 7, 2024 Flight Hobbs: 3029.3 Engine TT: 2597.7 SMOH: 982.2 Oil and filter changed, oil sample taken, and filter inspected. Engine serviced with Phillips X/C 20W-50. Leak checks good. This engine is approved for return to service for the work performed. John T. Mulkey A&P [REDACTED]				
L&M AIRCRAFT INC. ROME, GA 30165				
N969SS Continental IO-550-N s/n: 686931 October 1, 2024 Flight Hobbs: 3054.5 Engine TT: 2622.9 SMOH: 1007.4				
Inspection:				
- Annual Inspection Complete. - Compression check completed: #1- 73, #2-71, #3-70, #4-71, #5-73, #6- 71 - Complied with Electroair ICA EIS-61000, Dated 12/17/2021. - Inspected engine driven fuel pump IAW TAT SB12-02, Dated 10/27/2012. - Cleaned, inspected, and recharged Tornado Ally Turbo's air filter element IAW TAT SI08-05 REV. A, Dated 3/12/2009. - Inspected exhaust manifolds IAW TAT SB09-01 REV. B, Dated 6/29/2012. - Inspected exhaust slip joints IAW TAT SI11-01, REV. A, Dated 6/22/2016. - Cleaned and inspected turbocharger oil inlet screen IAW TAT SB11-04, Dated 7/14/2011.				
Maintenance:				
- Oil and filter changed, oil sample taken, and filter inspected. Engine serviced with Phillips X/C 20W-50. Leak checked good. - Installed new two new rocker cover screws. Retorqued all rocker screws.				
This engine has been inspected in accordance with current regulations of the Federal Aviation Administration and approved for return to service.				
Alton P. Owen A&P [REDACTED] A [REDACTED]				
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DATE	TOTAL TIME IN SERVICE	TOTAL TIME SINCE OVERHAUL	TACH OR RECORDING METER TIME	
L&M AIRCRAFT, INC ROME, GA 30165 N969SS Continental IO-550-N s/n 686391 February 20, 2025 Flight Hobbs 3085.1 SMOH: 1038.0 Changed oil and installed new AA48108-2 oil filter. Sampled oil and inspected filter. Serviced engine with 7 quarts Phillips X/C 20W-50. Leak checked good. This engine is approved for return to service for the worked performed. Larry A Owen A&P  				